

1 **CLAIMS**

2 1. A method comprising:

3 receiving a file index associated with a plurality of localized strings of data;

4 loading the file index into a memory device;

5 identifying pointers to frequently used localized strings;

6 caching the identified pointers; and

7 processing requests for Web content.

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9 2. A method as recited in claim 1 wherein each of the plurality of

10 localized strings has an associated language.

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12 3. A method as recited in claim 1 wherein each of the plurality of

13 localized strings has an associated locale.

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15 4. A method as recited in claim 1 wherein each of the plurality of

16 localized strings has an associated language and an associated locale.

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18 5. A method as recited in claim 1 wherein processing requests for Web

19 content includes:

20 identifying at least one localized string associated with a request for Web

21 content; and

22 validating the at least one localized string.

1 **6.** A method as recited in claim 5 further comprising using the at least
2 one localized string to process requests for Web content if the at least one
3 localized string is validated.

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5 **7.** A method as recited in claim 1 wherein identifying pointers to
6 frequently used localized strings includes identifying one or more commonly used
7 languages.

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9 **8.** A method as recited in claim 1 wherein identifying pointers to
10 frequently used localized strings includes identifying one or more frequently
11 requested locales.

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13 **9.** A method as recited in claim 1 wherein the method is performed by a
14 Web server.

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16 **10.** One or more computer-readable memories containing a computer
17 program that is executable by a processor to perform the method recited in claim
18 1.

1 **11.** A method comprising:
2 receiving a request for content in a particular language;
3 identifying at least one string associated with the requested content,
4 wherein the at least one string is associated with the particular language;
5 determining whether a pointer to the at least one string is stored in a cache;
6 if the pointer is stored in the cache:
7 retrieving the pointer from the cache; and
8 retrieving the at least one string using the pointer;
9 if the pointer is not stored in the cache, retrieving the at least one string
10 from a storage device.

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12 **12.** A method as recited in claim 11 further comprising generating the
13 requested Web content and providing the requested content to a source of the
14 request.

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16 **13.** A method as recited in claim 11 further comprising validating the at
17 least one string.

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19 **14.** A method as recited in claim 11 wherein the at least one string has
20 an associated locale.

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22 **15.** A method as recited in claim 11 wherein retrieving the at least one
23 string from a storage device includes:

24 identifying a string index associated with the at least one string; and
25 locating the at least one string using the string index.

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2 **16.** One or more computer-readable memories containing a computer
3 program that is executable by a processor to perform the method recited in claim
4 11.

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6 **17.** A method comprising:
7 receiving a request for content in a particular language;
8 identifying at least one string associated with the requested content,
9 wherein the at least one string is associated with the particular language;
10 determining the at least one string is stored in a cache;
11 retrieving the at least one string from the cache if the at least one string is
12 stored in the cache; and
13 retrieving the at least one string from a storage device if the at least one
14 string is not stored in the cache.

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16 **18.** A method as recited in claim 17 further comprising providing the
17 requested content to a source of the request.

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19 **19.** A method as recited in claim 17 further comprising validating the
20 retrieved string to determine whether the retrieved string is corrupted.

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22 **20.** A method as recited in claim 17 wherein retrieving the at least one
23 string from a storage device includes:
24 identifying a string index associated with the at least one string; and
25 locating the at least one string using the string index.

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2 **21.** One or more computer-readable memories containing a computer
3 program that is executable by a processor to perform the method recited in claim
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6 **22.** An apparatus comprising:
7 an interface to receive requests for Web content and to send responses to
8 the received requests;
9 a cache to temporarily store pointers to frequently used localized strings of
10 data; and
11 a processor coupled to the interface and the cache, wherein the processor is
12 configured to receive requests for Web content from the interface and receive
13 pointers from the cache, wherein the processor is further configured to retrieve a
14 particular localized string using a pointer if the cache contains a pointer to the
15 particular localized string, and wherein the processor retrieves the particular
16 localized string from a storage device the cache does not contain a pointer to the
17 particular localized string.

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19 **23.** An apparatus as recited in claim 22 wherein each localized string
20 has an associated language.

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22 **24.** An apparatus as recited in claim 22 wherein each localized string
23 has an associated locale.
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1 **25.** An apparatus as recited in claim 22 wherein the processor is further
2 configured to validate localized strings.

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4 **26.** One or more computer-readable media having stored thereon a
5 computer program that, when executed by one or more processors, causes the one
6 or more processors to:

7 receive a file index associated with a plurality of localized strings, wherein
8 each of the plurality of localized strings has an associated language;

9 load the file index into a memory device;

10 identify pointers to commonly used localized strings;

11 cache the identified pointers; and

12 process requests for localized data.

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14 **27.** One or more computer-readable media as recited in claim 26
15 wherein each of the plurality of localized strings has an associated locale.

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17 **28.** One or more computer-readable media as recited in claim 26
18 wherein the one or more processors further:

19 identify at least one localized string associated with a request for localized
20 data; and

21 validate the at least one localized string.

1 **29.** One or more computer-readable media as recited in claim 26
2 wherein the one or more processors further:
3 identify at least one localized string associated with a request for localized
4 data;
5 validate the identified localized string; and
6 process the identified localized string if the identified localized string is
7 validated.

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9 **30.** One or more computer-readable media as recited in claim 26
10 wherein the commonly used localized strings are identified based on frequently
11 requested languages.
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